



ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

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Title of Invention	PREAPPLIABLE PHASE CHANGE THERMAL INTERFACE PAD																																																																																																								
<p>Application Number: 10/643401</p> <p>Confirmation Number: 3992</p> <p>First Named Applicant: RAYMOND FREULER</p> <p>Attorney Docket Number: POWRD-015C</p> <p>Art Unit: 1772</p> <p>Examiner: BRIAN P. EGAN</p> <p>Search string: (2887628 or 2799793 or 3013104 or 3249680 or 3356828 or 3391242 or 3463140 or 3463161 or 3467547 or 3476177 or 3586102 or 3603106 or 3819530 or 3823089 or 3887628 or 3972821 or 4065908 or 4151547 or 4199548 or 4237086 or 4266267 or 4299715 or 4360626 or 4666483 or 4473113 or 4489487 or 5002715 or 5237086 or 5904796 or 5912805 or 5930893 or 5931831 or 5986884 or 6391442).pn.</p> <p>US Patent Documents</p> <p>Note: Applicant is not required to submit a paper copy of cited US Patent Documents</p> <table border="1"><thead><tr><th>init</th><th>Cite.No.</th><th>Patent No.</th><th>Date</th><th>Patentee</th><th>Kind</th><th>Class</th><th>Subclass</th></tr></thead><tbody><tr><td><input checked="" type="checkbox"/></td><td>1</td><td>2887628</td><td>1956-06-12</td><td>ZIERDT, JR.</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>2</td><td>2799793</td><td>1957-07-16</td><td>DE CAIN</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>3</td><td>3013104</td><td>1961-12-12</td><td>YOUNG</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>4</td><td>3249680</td><td>1966-05-02</td><td>SHEETS, ET AL.</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>5</td><td>3356828</td><td>1967-12-05</td><td>FURNESS</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>6</td><td>3391242</td><td>1968-07-02</td><td>SUDGES</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>7</td><td>3463140</td><td>1969-08-26</td><td>ROLLOR, JR.</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>8</td><td>3463161</td><td>1969-08-26</td><td>ANDRASSY</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>9</td><td>3467547</td><td>1969-08-16</td><td>HARVEY, ET AL.</td><td></td><td>—</td><td>—</td></tr><tr><td><input type="checkbox"/></td><td>10</td><td>3476177</td><td>1969-11-04</td><td>POTZI</td><td></td><td>—</td><td>—</td></tr><tr><td><input checked="" type="checkbox"/></td><td>11</td><td>3586102</td><td>1971-06-22</td><td>GILLES</td><td></td><td>—</td><td>—</td></tr><tr><td><input checked="" type="checkbox"/></td><td>12</td><td>3603106</td><td>1971-09-07</td><td>RYAN</td><td></td><td>—</td><td>—</td></tr></tbody></table>		init	Cite.No.	Patent No.	Date	Patentee	Kind	Class	Subclass	<input checked="" type="checkbox"/>	1	2887628	1956-06-12	ZIERDT, JR.		—	—	<input type="checkbox"/>	2	2799793	1957-07-16	DE CAIN		—	—	<input type="checkbox"/>	3	3013104	1961-12-12	YOUNG		—	—	<input type="checkbox"/>	4	3249680	1966-05-02	SHEETS, ET AL.		—	—	<input type="checkbox"/>	5	3356828	1967-12-05	FURNESS		—	—	<input type="checkbox"/>	6	3391242	1968-07-02	SUDGES		—	—	<input type="checkbox"/>	7	3463140	1969-08-26	ROLLOR, JR.		—	—	<input type="checkbox"/>	8	3463161	1969-08-26	ANDRASSY		—	—	<input type="checkbox"/>	9	3467547	1969-08-16	HARVEY, ET AL.		—	—	<input type="checkbox"/>	10	3476177	1969-11-04	POTZI		—	—	<input checked="" type="checkbox"/>	11	3586102	1971-06-22	GILLES		—	—	<input checked="" type="checkbox"/>	12	3603106	1971-09-07	RYAN		—	—
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<input type="checkbox"/>	31	5930893	1999-08-03	EATON
<input type="checkbox"/>	32	5931831	1999-08-03	LINDER
<input checked="" type="checkbox"/>	33	5986884	1999-11-16	JAIRAZBHOY ET AL.
<input checked="" type="checkbox"/>	34	6391442	2002-05-21	DUVALL ET AL.

Grapes et al.

Signature

Examiner Name	Date
<i>B. P. Ego</i>	<i>8/31/09</i>

PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO				C mplete if Known	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)				Application Number	10/643,401
				Filing Date	08/19/2003
				First Named Inventor	RAYMOND FREULER
				Art Unit	1772
				Examiner Name	B.P. EGAN
				Attorney Docket Number	POWRD-015C
Sheet	1	of	1		

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Examiner Signature	<i>R. J. P. E.</i>	Date Considered	8/30/09
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Substitute for form 1449B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary) Sheet <u>1</u> of <u>0</u>		Complete if Known	
		Application Number	10/643 401
		Filing Date	08/19/2003
		First Named Inventor	RAYMOND FREULER
		Group Art Unit	1772
		Examiner Name	B.P. EGAN
		Attorney Docket Number	POWRD-015C

OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published	T ²
BPE		POWER DEVICES, INC.; "Kapton MT Substrate Coated with High Performance Thermal Compound in Easy-to-Use Form"; MCM-Strate; 1996	
		POWER DEVICES, INC.; "Low Thermal Resistance and Excellent Electrical Insulation in One Clean, Reliable System"; ISOSTRATE; (Not Dated).	
		POWER DEVICES, INC.; "Adhesive-backed Aluminum Substrate with High Performance Thermal Compound in Easy-to-Use Form; MCM-STRATE; 1996	
		POWER DEVICES, INC.; "The Cost-Effective Solution to Thermal Interface Problems - Clean, Dry and Easy to Use"; THERMSTRATE; (Not Dated).	
		CHOMERICS; "THERMATTACH 404 AND 405 Thermally Conductive Adhesive Tapes"; CHO-THERM Thermal Interface Materials; Technical Bulletin 72; 1993	
		CHOMERICS; "THERMATTACH T413 AND T414 Thermally Conductive Adhesive Tapes"; Preliminary Product Data Sheet; 1994	
		CHOMERICS; "THERMFLOW T705 and T710 Low Thermal Resistance Interface Pads"; CHO-THERM Thermal Interface Material; Technical Bulletin 77; 1997	
		THE BERGQUIST COMPANY; "SIL-PAD Design Guided"; Spring 1993	
BPE		Print out from www.dupont.com website: "Thermal Properties of Elvax Measured by Differential Scanning Calorimeter (DSC)"; 1997	

Examiner Signature	<u>B.P. Egan</u>	Date Considered	<u>8/30/04</u>
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